

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-26 (Canceled).

Claim 27 (Previously presented): A quartz glass crucible, comprising:

an inside surface and

an outside surface,

wherein, at least the inside surface comprises a transparent coated layer containing a crystallization promoter and a silica matrix,

wherein,

the transparent coated layer is formed by burning of a silica sol liquid comprising a metal salt and a partial hydrolyzate of an alkoxysilane oligomer coated on at least the inside surface of the crucible,

a temperature of the burning is greater than 600°C and equal to or less than 1000 °C,

the crystallization promoter is uniformly dispersed in the silica matrix,

said crystallization promoter is a metal oxide derived from the metal salt;

an amount of said crystallization promoter is equal to or more than 1×10^{-9} to less than or equal to 1×10^{-6} mol/cm² being calculated as metal oxide; and

the amount of said crystallization promoter uniformly dispersed in the silica matrix does not change upon acid washing of the quartz glass crucible.

Claim 28 (Previously presented): The quartz glass crucible according to claim 27,

wherein

the metal salt is a metal organic acid salt or a metal carbonate of one or more metals selected from the group consisting of magnesium, calcium, strontium and barium.

Claim 29 (Previously presented): The quartz glass crucible according to claim 28,
wherein

the metal salt is a carbonate of magnesium, calcium, strontium or barium.

Claim 30 (Previously presented): The quartz glass crucible according to claim 28,
wherein

the metal salt is an organic acid salt of magnesium, calcium, strontium or barium.

Claim 31 (Previously presented): The quartz glass crucible according to claim 30,
wherein the organic acid salt is a carboxylate of magnesium, calcium, strontium or barium.

Claim 32 (Previously presented): The quartz glass crucible according to claim 27,
wherein the transparent coated layer is located on the inside surface of the quartz glass
crucible.

Claim 33 (Previously presented): The quartz glass crucible according to claim 27,
wherein the transparent coated layer is located on the inside and outside surfaces of the quartz
glass crucible.

Claim 34 (Previously presented): The quartz glass crucible according to claim 32,
wherein the transparent coated layer is located on at least a part of the inside surface of the
quartz glass crucible.